



Especificaciones

Rango de voltaje	120-277 V, 347-480 V
Rango de lúmenes	2,000 - 15,700lm
TCC	2700 K, 3000 K, 4000 K, 5000 K
IRC	70
Opciones de montaje	Ajustable para tubería de montaje nominal de 1,25 a 2,0 pulg.Adaptador deslizante de 4 pernos (opcional)
Rango de potencia	14 - 97 W
Rango de eficacia	101 - 143 LPW
Color	GrisNegroBronce OscuroBlancoRALColores personalizados disponibles
Distribución	Tipo II EstrechoTipo II AnchoRetroiluminación mejorada Tipo IITipo IIITipo IV
Controles y Sensores	Atenuación de 0-10 VReceptáculo de PE de 7 pinesCompatible con LightGrid™LL PE disponible (opcional)



Classificación	Wet, BAA, RoHS
Current 	-40 to 50 °C
Rango de mantenimiento lumínico	L94 @ 60,000 hours





ERL1 Cobra Head

LED Roadway Lighting

The Evolve® LED Roadway ERL1 Luminaire is optimized utilizing advanced LED reflective optical system for local, collector and major roadways. The modern design incorporates the heat sink directly into the unit for heat transfer to prolong LED life.



Construction

Housing:	Aluminum die cast enclosure casting integral heat sink for maximum heat transfer
Lens:	Impact resistant tempered glass
	Corrosion resistant powder paint, ≥ 2.0 mil thickness
Paint:	(RAL & custom colors available) Standard = Black, Dark Bronze, Gray, White Optional = Coastal Finish
Weight:	12.4 lbs (5.6 kgs)

Optical System

Lumens:	2,000 - 15,700
Distribution:	Type II ,III, IV, Type II Narrow and Type II Enhanced Backlight
Efficacy:	111-140 LPW
CCT:	2700K, 3000K, 4000K and 5000K
CRI:	≥70

Electrical

Input Voltage:	120-277V or 347-480V
Input Frequency:	50/60Hz
Power Factor:	≥ 90% at rated watts
Total Harmonic Distortion:	≤ 20% at rated watts

Surge Protection*

STANDARD	OPTIONAL
☐ 10kV/5kA	☐ Secondary 10kV/5kA (R Option) or ☐ Secondary 20kV/10kA (T Option)

*Per ANSI C136.2-2018

Lumen Maintenance

Projected Lxx per IES TM-21-11 at 25°C

LUMEN CODES	DISTRIBUTIONS	LXX(10K) @ HOURS		
		25,000 HR	50,000 HR	60,000 HR
02,03,04,05,06	A5, B5, C5, D5, E5	L96	L94	L93
07,08	A5, B5, C5, D5, E5	L99	L98	L98
09	A5, B5, C5, D5, E5	L98	L97	L96
10	A5, B5, C5, D5, E5	L94	L87	L84
11	A5, B5, C5, D5, E5	L93	L85	L82
12	A5, B5, C5, D5, E5	L96	L95	L94
13	A5, B5, C5, D5, E5	L96	L94	L93
14	A5, B5, C5, D5, E5	L95	L92	L91
15	A5, B5, C5, D5, E5	L93	L88	L86
16	A5, B5, C5, D5, E5	L91	L85	L83

Note: Projected Lxx based on LM80 (≥ 10,000 hour testing). Accepted Industry tolerances apply to initial luminous flux and lumen maintenance measurements.

Ratings

Operating Temp:	-40°C to 50°C
Vibration:	3G per ANSI C136.31-2018
LM-79:	Testing in accordance with IES Standards
EMI:	Title 47 CFR Part 15 Class A
RoHS:	Complies with the material restrictions of RoHS

Controls

Dimming:	Standard-0-10V ☐ Optional-DALI (Option U) ☐
Sensors:	Photo Electric Sensors (PE) available LightGrid+™ Compatible

Warranty

☐ 5 Year (Standard) ☐ 10 Year (Optional)



Ordering Information

ERL1

PROD. ID	VOLTAGE	LUMENS	DISTRIBUTION ³	CCT	CONTROLS PER ANSI C136.41	COLOR	OPTIONS
E = Evolve	0 = 120-277V ^{1,2}	02 = 2000 lm ²	A5 = Type II Narrow	27 = 2700K ⁴	A = 7-Pin Receptacle	GRAY = Gray	A = 4 Bolt Slipfitter ⁵
R = Roadway	H = 347-480V ¹	03 = 3000 lm	B5 = Type II	30 = 3000K ⁴	D = 7-Pin Receptacle with Shorting Cap	BLCK = Black	B = Tethers C1 = Captive Door
L = Local	1 = 120V	04 = 4000 lm	C5 = Type III	40 = 4000K	E = 7-Pin Receptacle with non-dimming Long Life PE	DKBZ = Dark Bronze	F = Fusing
1 = Single Module	2 = 208V	05 = 5000 lm	D5 = Type IV	50 = 5000K	Note: 0-10V standard	WHITE = White	G = Internal Bubble Level
	3 = 240V	06 = 6000 lm	E5 = Type II Enhanced Back Light	I = Optional IP66 Optical Enclosure			
	4 =277V	07 = 7000 lm		L = Tool-Less Entry			
	8 = 120-240V ¹¹	08 = 8000 lm		R = Enhanced Surge Protection (10kV/5kA)			
	5 = 480V	09 = 9000 lm		T = Secondary 20kV/10kA SPD			
	D = 347V	10 = 10000 lm		U = DALI Programmable ^{6,7}			
		11 = 11000 lm		V1 = Field Adjustable Module ^{10, 12}			
		12 = 12000 lm		X = Single Pack ⁸			
		13 = 13000 lm		Y = Coastal Finish ⁹			
		14 = 14000 lm		XXX = Special Options			
		15 = 15000 lm					
		16 = 16000 lm					

¹ Fusing requires discrete voltage.

² 02 Lumen Level, Voltage options 1, 2, 3 and 8 only

³ Nominal IES Type and classing subject to typical variation, individual units may differ

⁴ Select 2700K or 3000K CCT for IDA approved units

⁵ Lead time varies, contact Factory

⁶ Compatible with LightGrid+™

⁷ Not available in 347V, 480V or 347-480V for Lumen Output Levels 08-16

⁸ Option provides single pack box per fixture. Standard packaging = 23 units per MagnaPak Container

⁹ Recommended for installations within 750 feet from coast. Lead time varies, check with factory.

¹⁰ Not available with DALI "U" option

¹¹ Only available with 02 Lumen Code

¹² Not compatible with 02 Lumen Code

Suggested HID Replacement

Approximately 2,000-3,000 lumens to replace 50W-70W HPS Cobra-head

Approximately 4,000-5,000 lumens to replace 100W HPS Cobra-head

Approximately 7,000-9,000 lumens to replace 150W HPS Cobra-head

Approximately 9,000-12,000 lumens to replace 200W HPS Cobra-head

Approximately 12,000-16,000 lumens to replace 250W HPS Cobra-head

Note: actual replacement lumens may vary based upon mounting height, pole spacing, design criteria, etc.